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Cc: Jeryl Gardner[JGARDNER@ndep.nv.gov]; Seter, David[Seter.David@epa.gov]; Mike.Bedan@CH2M.com[Mike.Bedan@CH2M.com]; Ken.Greene@CH2M.com[Ken.Greene@CH2M.com]; Alma Feldpausch (afeldpausch@ramboll.com)[afeldpausch@ramboll.com]; Renee Sandvig[rsandvig@ramboll.com]; John Batchelder (jbatchelder@envirosolve.com)[jbatchelder@envirosolve.com]; dan.ferriter (dan.ferriter@copperenv.com)[dan.ferriter@copperenv.com]; Mahon, Mike (COPPER ENVIRONMENTAL CONSULTING)[mike.mahon@copperenv.com]
From: Oman, Jack
Sent: Mon 11/14/2016 11:26:11 PM
Subject: RE: Follow-up to OU3 Tech Memo 3 Discussion
[SoilMassBalance_20151011.pdf](#)
[Yerington OU-3 TM 3 Meeting Summary_9Nov2016.pdf](#)

Chris,

Attached is a summary of our November 9 discussion which includes the information below. Also attached is Renee Sandvig's presentation describing the soil mass balance considerations in vapor intrusion modelling for your reference.

Jack Oman

Project Manager

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From: Dirscherl, Christopher [mailto:Dirscherl.Christopher@epa.gov]
Sent: Wednesday, November 09, 2016 10:58 AM
To: Oman, Jack
Cc: Jeryl Gardner; Seter, David; Mike.Bedan@CH2M.com; Ken.Greene@CH2M.com; Alma Feldpausch (afeldpausch@ramboll.com)
Subject: Follow-up to OU3 Tech Memo 3 Discussion

Hi Jack,

As a follow-up to our OU3 Tech Memo 3 discussion, I looked into the RME values for the trespasser scenario in the OU8 Risk Assessment, specifically where the site-specific numbers for the exposure frequency (50 days/year) and exposure duration (12 years) were derived from. The exposure frequency of 50 days/year is an assumed value for a trespasser accessing the site one day per weekend for a year based on the site being an attractive nuisance, for trespassing purposes. I understand now that OU3 is more secure with fencing and other site access control measures, but there is no guarantee this will continue into the future. Therefore, given that this exposure frequency value of 50 days/year is being evaluated as the RME and not the CTE at OU3, it is a reasonable assumption.

Further, I agree that the residential child receptor will provide an even more conservative evaluation of site risks to children and/or teens at OU3, however we have discussed the possibility of the residential scenario being removed from the Risk Assessment. Therefore, an exposure frequency of 50 days/year for the trespasser will provide the team, and the public, with a very conservative estimate of the site risks to the trespasser regardless of its potential future covenants or land use restrictions.

Please contact me with any questions.

Thank you,
Chris

Christopher Dirscherl, P.E.

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